

- b. Ordinary good because $\frac{\partial q_1^*}{\partial p_1} = \left(-\frac{I}{10} + 5p_2\right)p_1^{-2} < 0$, provided $5p_2 < I$,
or alternatively provided if $q_1 > 2$.
- c. Normal good because $\frac{\partial q_1^*}{\partial I} = \frac{1}{10 p_1} > 0$.
- d. Complements because $\frac{\partial q_1^*}{\partial p_2} = \frac{-5}{p_1} < 0$.

III. Critical thinking

Same as Version A.

[end of answer key]